BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Subsidiary Diploma in Applied Science Pearson BTEC International Level 3 Foundation Diploma in Applied Science Pearson BTEC International Level 3 Diploma in Applied Science Pearson BTEC International Level 3 Diploma in Biomedical Science Pearson BTEC International Level 3 Diploma in Environmental Science Pearson BTEC International Level 3 Extended Diploma in Applied Science Pearson BTEC International Level 3 Extended Diploma in Biomedical Science Pearson BTEC International Level 3 Extended Diploma in Environmental Science
Unit number and title	**Unit 15: Diseases and Infections**
Learning aim(s)	**B:** Examine the transmission of infectious diseases and how this can be prevented
Assignment title	**Transmission and prevention of infectious diseases**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You are working as a volunteer for a national/international charity that provides support to people suffering the effects of armed conflicts, natural disasters or epidemics. The charity runs long-term projects to tackle global health crises. Your role as a volunteer is to gather information regarding the causes and transmission of infectious diseases and the methods being used to combat the spread of these diseases to inform the charity's publications, newsletters and blogs. You will use your research to produce a range of public information materials to raise awareness of the charity's work.

Task	Using your research, • Produce a blog or newsletter **evaluating** the work of the national or international charity you are working for and the strategies they use in their efforts to control the spread of infectious diseases. Your blog or newsletter must evaluate the strengths and weaknesses, advantages and disadvantages of the methods used to limit the spread of one named disease. • The charity intervenes in different ways depending on the type and severity of the disease outbreak. You must include an **assessment** of the various methods and interventions used to minimise the transmission and spread of infectious diseases. Vaccination programmes and their importance must be included in your assessment. Give careful consideration to the implications of cost, compliance with prescribed treatment regimens, side effects of

	treatments and other factors that may influence outcomes. Present a conclusion about the effectiveness of the methods you have identified. • In order to raise public awareness, you need to produce a leaflet **explaining** how infections can be transmitted through direct physical contact with an infected individual or animal and how disease is spread indirectly by vectors, contaminated food/water, air, contaminated surfaces and droplet infection. For each mode of transmission explained, you must give an example of a named disease that can be spread via that particular method. Your leaflet could include photographic evidence taken from practical investigation into disease transmission. Correct scientific terminology must be used and sources must be referenced.
Checklist of evidence required	• A newsletter or blog evaluating the role of a national or international organisation in controlling the spread of infectious diseases. • An assessment of the methods used to minimise the transmission and spread of infectious diseases. • A leaflet explaining how infectious diseases are spread through direct and indirect contact with the causative organisms.

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria, you must show that you are able to:
B.D2	Evaluate the role of organisations in limiting the spread of infectious diseases.
B.M2	Assess how infectious diseases can be prevented from spreading.
B.P3	Explain how infectious diseases can be transmitted.
Sources of information to support you with this Assignment	https://www.msf.org/ http://www.who.int/topics/infectious_diseases https://www.wateraid.org/uk/ https://media.ifrc.org/ifrc/ https://www.ecdc.europa.eu/en/publications-data/directory-guidance-prevention-and-control/measures-in-hospitals
Other assessment materials attached to this Assignment Brief	e.g. worksheets, risk assessments, case study